

Title (en)

METHOD AND APPARATUS FOR THE FILTRATION OF A SUSPENSION ON A GRANULAR FILTER BED

Publication

EP 0180495 B1 19880127 (FR)

Application

EP 85401893 A 19850927

Priority

FR 8416491 A 19841029

Abstract (en)

[origin: ES8608326A1] A suspension is filtered by a granular filtrating layer while flowing through the granular filtrating mass as a vertical ascending current. The granular mass is, for the purpose of being washed with air, driven continuously by a compressed air ejector into a tube where it follows an ascending motion and at the outlet of which it is washed with water above the layer where the filtration is carried out. Thereafter, the washed mass is recycled by gravity onto the upper portion of the filtration layer. The charged granular mass which has been subjected to the first or air washing operation is fluidized above the filtration layer and subjected to an extra washing operation with water and pressurized air.

IPC 1-7

B01D 33/00

IPC 8 full level

B01D 24/00 (2006.01); **B01D 24/02** (2006.01); **B01D 24/30** (2006.01); **B01D 29/62** (2006.01)

CPC (source: EP US)

B01D 24/30 (2013.01 - EP US); **B01D 24/4631** (2013.01 - EP US); **B01D 24/4689** (2013.01 - EP US); **B01D 24/48** (2013.01 - EP US)

Cited by

EP0560215A1; NL9500428A; EP0730895A3; WO9108818A1

Designated contracting state (EPC)

BE CH DE GB IT LI

DOCDB simple family (publication)

EP 0180495 A1 19860507; **EP 0180495 B1 19880127**; DE 180495 T1 19860904; DE 3561498 D1 19880303; ES 547647 A0 19860716; ES 8608326 A1 19860716; FR 2572301 A1 19860502; FR 2572301 B1 19890623; JP S61103507 A 19860522; US 4720347 A 19880119

DOCDB simple family (application)

EP 85401893 A 19850927; DE 3561498 T 19850927; DE 85401893 T 19850927; ES 547647 A 19851007; FR 8416491 A 19841029; JP 22856485 A 19851014; US 78363785 A 19851003